

Appl. No. 10/030,596

Attorney Docket No. 10547-751

I. Listing of Claims

1. (Amended) An optical media system comprising:

an optical pickup for reading from and/or writing to an optical storage medium, the optical pickup having wall portions defining a cavity having an opening, one or more sources of light, and an objective lens disposed within the cavity, the optical pickup being movable between a park position when not in operation and an operating position when in operation[[.]];

a focus and/or tracking actuator for moving the lens to focus and/or track the light on the optical medium and mechanical limits to limit the focus and/or tracking movement of the lens, ~~the optical pickup configured to be moved to a park position when not in operation~~; and

an actuator controller for controlling the actuator and hence the focus and/or tracking position of the lens, the actuator controller configured to induce a magnetic field interacting with the optical pickup to actively control the lens position within the cavity via [[a]] the magnetic field when the optical pickup is moved to in the park position when not in operation.

2. (Original) The optical media system as claimed in Claim 1, in which the optical pickup is moved to a park position away from the optical medium when not being used with such an optical medium.

3. (Previously Presented) An optical media system comprising: an optical pickup for reading from and/or writing to an optical storage medium, the optical

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pickup having one or more sources of light, an objective lens, a focus and/or tracking actuator for moving the lens to focus and/or track the light on the optical medium and mechanical limits to limit the focus and/or tracking movement of the lens; an actuator controller for controlling the actuator and hence the focus and/or tracking position of the lens, characterized in that the actuator controller actively controls the lens position when the optical pickup is not being used with the optical medium; and a focus object at the park position so that the actuator controller focuses the light on the focus object when the optical pickup is not being used with the optical medium in order to hold the lens position within the mechanical limits.

4. (Original) The optical media system as claimed in Claim 3, in which the lens is adapted to focus light through an optical substrate in order to read and/or write to the optical medium, and the focus object includes a similar substrate.

5. (Original) The optical media system as claimed in Claim 3, in which the actuator controls the lens position when the optical pickup is not being used with the optical medium so that the focus of light on the focus object is defocused in order to reduce the illuminance on the focus object.

6. (Original) The optical media system as claimed in Claim 3, in which the light is pulsed on the focus object.

7. (Original) The optical media system as claimed in Claim 3, in which the focus object contains thermally conductive material for dissipating heat absorbed



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from the focus light.

8. (Original) The optical media system as claimed in Claim 7, in which the focus object includes a reflective layer on which the focus actuator focuses, the thermally conductive material being a thickness of the reflective layer significantly beyond that needed for bulk reflectivity.

9. (Previously withdrawn)

10. (Previously withdrawn)

11. (Previously withdrawn)

12. (Original) The optical media system as claimed in Claim 1, wherein the optical media system is mounted in a vehicle and wherein the actuator controller actively controls the focus and/or tracking position of the lens when the vehicle is moving.